

February 2023
SF663

Subject: Cascadia Power Takeoff Switch Indicator

Models Affected: Specific model years 2022-2023 Freightliner Cascadia vehicles manufactured July 15, 2021, through September 15, 2022.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF663 to modify the vehicles mentioned above.

On certain vehicles, the Power Takeoff (PTO) Switch indicator light fails to illuminate when the PTO is engaged.

The PTO switch indicator light will be inspected while the PTO is engaged, and a feedback jumper harness will be installed if required.

There are approximately 457 vehicles involved in this campaign.

Additional Repairs

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

Please contact Warranty Campaigns for consideration of additional charges prior to performing the repair.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR261).

Replacement Parts

Replacement parts are now available and can be obtained by ordering the part number(s) listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF663, a list of the customers and vehicle identification numbers will be available on DTNA Portal. Please refer to this list when ordering parts for this campaign.

Table 1 - Replacement Parts for SF663

Campaign Number	Part Description	Part Number	Qty
SF663A	HARNES-PTO CTRL,JMPR,PTO SW,-108	A06-93462-000	1 ea
	BLANK COMPLETION STICKER	WAR261	1 ea

Table 1

Removed Parts

U.S. and Canadian Dealers, please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts. Export distributors, please destroy removed parts unless otherwise advised.

February 2023
SF663

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF663A	Inspect PTO switch indicator functionality	0.2	996-F148A	06-Inspect
	Inspect PTO indicator switch functionality and install Jumper Harness	0.8	996-F148B	12-Repair Recall/Campaign

Table 2

IMPORTANT: When the campaign has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the gray completion sticker provided in the field service kit (Form WAR261). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a field service kit is not required or there is no completion sticker in the kit, write the campaign number on a blank sticker and attach it to the base completion label.

Claims for Credit

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL:

- Claim type is **Field Service Campaign**.
- In the Campaign field, enter the campaign number and appropriate condition code (**SF663-A**).
- In the Primary Failed Part field, enter **25-SF663-000**.
- In the Parts section, enter the appropriate part number(s) as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative time will be included automatically as SRT 939-6010A 0.3 hours.
- The VMRS Component Code is **F99-999-005** and the Cause Code is **A1 - Campaign**.
- This Field Service Campaign will **terminate on February 29, 2024**. Dealers will be notified of any changes to the termination date via an Important Campaign Information Letter posted on DTNA Portal.

IMPORTANT: OWL must be viewed prior to beginning work to ensure the vehicle is involved and the campaign has not previously been completed. Also, check for a completion sticker before beginning work.

All claims must be submitted within 30 days of the repair and within 30 days of the termination date of the campaign. U.S. and Canadian Dealers: All excess inventory to be returned to the PDC following the conclusion of the campaign must be returned in resaleable condition to the Memphis PDC within 90 days from the termination date. Please submit a PAR to request return to the Memphis PDC. (Canadian dealers should return the kits to their facing PDC.) Export Distributors: Excess inventory is not returnable.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNA Portal/WSC, if you have any questions or need additional information. Export distributors submit a Web inquiry or contact your International Service Manager.

February 2023
SF663

Copy of Notice to Owners

Subject: Cascadia Power Takeoff Switch Indicator

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF663A to modify specific model years 2022-2023 Cascadia vehicles manufactured July 15, 2021, through September 15, 2022.

On certain vehicles, the Power Takeoff (PTO) Switch indicator light will not illuminate when the PTO is engaged.

The PTO switch indicator light will be inspected while the PTO is engaged, and a feedback jumper harness will be installed if required.

Please contact an authorized DTNA dealer to arrange to have the campaign performed and to ensure that parts are available at the dealership. The campaign will take approximately one hour and will be performed at no charge to you. To locate an authorized dealer, search online at NorthAmerica.DaimlerTruck.com/contact-us/. Scroll down to "Locate a Dealer," and select the appropriate brand.

This Field Service Campaign will **terminate on February 29, 2024**. Please make sure the campaign is completed prior to this date. Work completed after this date will be done at the customer's expense.

As stated in the terms of your express limited warranty, DTNA will not pay for any damage caused by failure to properly maintain your vehicle. DTNA considers the work necessary under this campaign to be proper maintenance and will, therefore, not pay for any damage to your vehicle caused by your failure to have the repairs that are the subject of this campaign performed in a reasonable time.

Contact the Warranty Campaigns Department at (800) 547-0712, from 7 a.m. to 4 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.Campaigns@Daimlertruck.com, or the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

February 2023
SF663

Work Instructions

Subject: Cascadia Power Takeoff Switch Indicator

Models Affected: Specific model years 2022-2023 Freightliner Cascadia vehicles manufactured July 15, 2021, through September 15, 2022.

PTO Feedback Circuit Inspection and Jumper Harness Installation

The jumper harness is necessary to complete the PTO switch feedback circuit so the indicator light on the dash switch illuminates when the PTO is engaged. See [Fig. 1](#).

IMPORTANT: The harness connector the jumper connects to may be positioned somewhere other than the location shown in [Fig. 1](#). It can most likely be found on top of the transmission, or along the left-hand frame rail near the bell housing. The harness connector will have to be located before routing it toward the PTO feedback switch, then the new jumper will be installed.

NOTE: The jumper harness may not be missing on every vehicle contained in the campaign population.

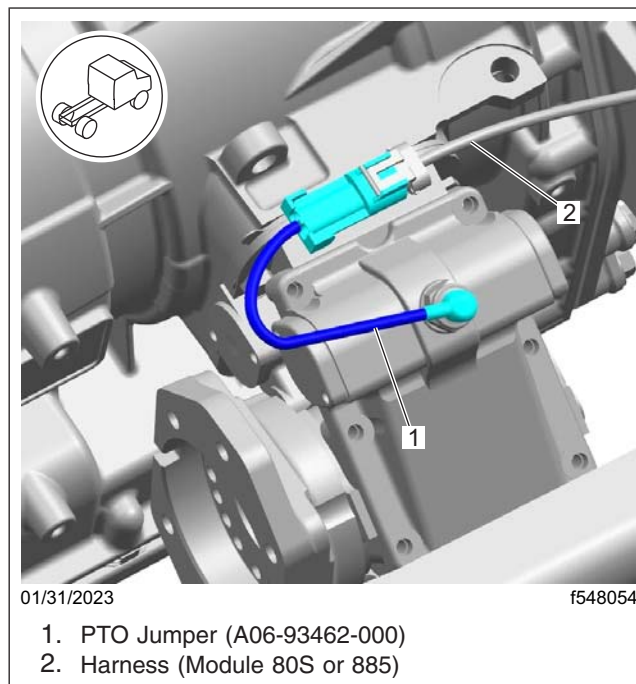


Fig. 1, PTO Feedback Switch Jumper Harness

1. Check the base label (Form WAR259) for a completion sticker for SF663 (Form WAR261) indicating this work has been done. The base label is usually located on the passenger door about 12 inches (30 cm) below the door latch. If a sticker is present, no work is needed. If there is no sticker, proceed with the next step.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.

February 2023
SF663

3. Check the PTO indicator light operation. Start the engine, make sure the park brake is set and the transmission is in neutral. Use the dash switch to engage the PTO. Observe whether or not the indicator light on the dash switch illuminates solid. If the indicator light illuminates solid, this confirms that the jumper is present.

NOTE: A flashing indicator light indicates that the request has been sent to engage the PTO, but does not confirm engagement.

3.1 PTO Engages and PTO Indicator Light Illuminates solid:

No further action is required. Go to step 11, and use the inspection only SRT.

3.2 PTO Engages and PTO Indicator Light flashes:

This indicates the PTO feedback switch jumper is likely missing. Go to step 4, and inspect for presence of the PTO jumper.

3.3 PTO does not Engage and PTO Indicator Light flashes:

Inspect for the presence of the PTO feedback jumper at the transmission. See [Fig. 1](#).

Is the PTO feedback jumper present?

YES → No further action is required. Go to step 11.

NO → Go to step 4.

IMPORTANT: If the PTO does not engage, any repairs to correct this condition are outside the scope of this campaign.

NOTE: In some cases, there will be a label near the connector, as shown in [Fig. 2](#), that reads 'PTO Switch.' The connector will contain circuits 200 (PURPLE) and GND (BLACK).

4. Locate the connector that attaches to the PTO jumper. See [Fig. 1](#) and [Fig. 2](#).

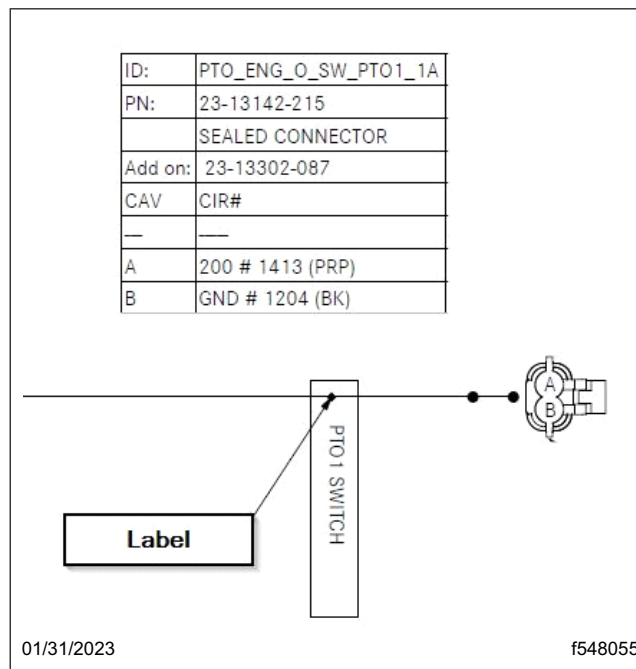


Fig. 2, PTO Feedback Switch Harness Connector (the Connector that Jumper Harness Attaches to)

NOTE: To aid in locating the connector that connects to the jumper, it may be helpful to view the harness that contains it. The harness will either be in the BOM ID '80S' or '885' in [EZWiring®](#).

February 2023
SF663

5. Is a print of the harness from EZWiring needed to locate the harness connector?

YES → Go to step 6.

NO → Go to step 8.

6. Go to EZWiring.

NOTE: If there is no 80S BOM ID, look instead for the 885 BOM ID.

6.1 Enter the vehicle serial number and hit enter to populate the VIN. Next, select “All Harnesses” in the ‘System Options’ drop down, then click the ‘View’ button. See **Fig. 3**.

The screenshot shows the EZWiring web application interface. At the top, there is a navigation bar with 'Help', 'Contact', and 'Logout' links. Below this is a menu with 'Vehicle Information', 'Drawing View', 'Floating Pin List', 'Commodity', and 'Admin'. The main search area includes 'Location Search' and 'Sub-System Search' tabs. The 'Serial Number' field contains 'NZ7752', and the 'VIN/Model/Build Date' dropdown shows '3AKJHTDV1PSNZ7752 -- NEW CASCADIA 116 DAY CAB CLASS 8 -- 2022-08-31'. The 'System Options' dropdown is set to 'All Harnesses', and the 'View' button is highlighted. Below the search area, the report header 'All Harnesses Report' is displayed, showing 'Lead Serial : NZ7751 Quantity Built : 3' and 'Serial Number: NZ7752 VIN: 3AKJHTDV1PSNZ7752'. A table with columns 'BOM ID', 'Master Number', 'Part Number', 'Supplier', 'Description', 'Quantity', and 'Part of a Commodity?' is partially visible at the bottom.

Fig. 3, Utilizing EZWiring to Locate the PTO Feedback Switch Harness

6.2 Scroll down until you get to the 80S BOM in the BOM ID column. See **Fig. 4**.

This screenshot shows the same EZWiring interface as Fig. 3, but with the 'All Harnesses Report' table expanded. The table has the following columns: BOM ID, Master Number, Part Number, Supplier, Description, Quantity, and Part of a Commodity?. The row for BOM ID '80S-C00702' is highlighted with a red box. The table contains the following data:

BOM ID	Master Number	Part Number	Supplier	Description	Quantity	Part of a Commodity?
786-C11514	78667	A66-22368-000	AL53	HARN-TGS,OL,DASH,CST,500K,FPT	1	Y
80S-C00702	88567	A06-90918-000	AL53	HARN-PTO,DASH,CLAIR,1PTO	1	Y
80S-C00702	88580	A06-90930-000	AL53	HARN-PTO,ENG,AIR,1PTO	1	Y
80S-C00702	88581	A06-95070-000	AL53	HARN-PTO,CHAS,SNGL,AIR,1PTO	1	Y
81B-C02007	81B67*	A06-90005-000	AL53	HARN-DIM,OL,DASH,PANEL,LP	1	Y
81B-C02007	81B67*	A06-90005-001	AL53	HARN-DIM,OL,DASH,PANEL,LP	1	Y
81B-C02007	81B67*	A06-90005-002	AL53	HARN-DIM,OL,DASH,PANEL,LP	1	Y

Fig. 4, EZWiring Showing the 80S BOM ID that Contains the PTO Feedback Switch Harness

February 2023
SF663

- Select the harness in the 80S BOM ID (or 885 if there is no 80S BOM ID). The desired harness will typically have “ENG” in the description. Click the hyperlinked harness part number to view the harness print. See [Fig. 5](#).

EZWIRING™ ? Help 🗉 Contact Logout

Vehicle Information Drawing View Floating Pin List Commodity Admin

Location Search Sub-System Search

Serial Number : NZ7752 VIN/Model/Build Date : 3AKJHTDV1P SNZ7752 -- NEW CASCADIA 116 DAY CAB CLASS 8 -- 2022-08-31

System Options: All Harnesses View Clear Clear Report

All Harnesses Report

Lead Serial : NZ7751 Quantity Built : 3 Serial Number: NZ7752 VIN: 3AKJHTDV1P SNZ7752

BOM ID	Master Number	Part Number	Supplier	Description	Quantity	Part of a Commodity?
786-C11514	78667	A06-22368-000	AL53	HARN-TGS,OL,DASH,CST,500K,FPT	1	Y
80S-C00702	88567	A06-90918-000	AL53	HARN-PTO,DASH,OL,AR,1PTO	1	Y
80S-C00702	88580	A06-90580-000	AL53	HARN-PTO,ENG,AIR,1PTO	1	Y
80S-C00702	88581	A06-90670-000	AL53	HARN-PTO,CHAS,SINGL,AIR,1PTO	1	Y
81B-C02007	81867*	A06-90005-000	AL53	HARN-DIM,OL,DASH,PANEL,LP	1	Y
81B-C02007	81867*	A06-90005-001	AL53	HARN-DIM,OL,DASH,PANEL,LP	1	Y

02/10/2023 f121355

Fig. 5, Selecting the Harness in EZWiring

- Once the connector is located, separate the branch of harness containing the connector if necessary, and route it toward the PTO feedback switch. See [Fig. 1](#). Secure the harness with zip ties as needed.
- Connect one end of the new jumper (A06-93462-000) to the harness, and then the other end to the PTO feedback switch on the PTO. See [Fig. 1](#).
- Verify the operation by starting the engine, and engaging the PTO. If the PTO indicator light on the dash switch illuminates, this confirms the installation is successful.
- Clean a spot on the base label (Form WAR259) and attach a campaign completion sticker for SF663 (Form WAR261), indicating this work has been completed.